

ABSTRACT OF THE INVENTION

The present invention discloses compositions and methods for the treatment of injury or disease of the nervous system CNS. In a particular embodiment, the invention provides methods 5 of treatment using non-recombinant activated antiself T-cells that recognize an antigen of the NS or a peptide derived therefrom or a derivative thereof to promote nerve regeneration or to prevent or inhibit axonal degeneration within the NS. The invention also provides methods of treatment using a NS-specific 10 antigen or peptide derived therefrom or a derivative thereof or a nucleotide sequence encoding said antigen or peptide to promote nerve regeneration or to prevent or inhibit axonal degeneration in NS, i.e., the CNS and/or PNS. The NS-specific antiself activated T-cells may be administered alone or in 15 combination with NS-specific antigen or peptide derived therefrom or a derivative thereof or a nucleotide sequence encoding said antigen or peptide or any combination thereof.

20

25

30